



EPPro8 Challenge

Engineer Problem Solve Innovate

Helicopter Rescue – Teacher’s Notes

Summary

This challenge requires good team work. Teams will build a large rig. A helicopter will be suspended from four ropes.

Each team member will operate one of four ropes. They will work as a team to coordinate the pulling of the ropes to control the helicopter.

Principles

Teamwork, Geometry, Structures, Angles, Measurements.

Extra Equipment

Extra string (4 x 5m lengths).

Printout of the helipad (at the end of this document).

Printout of the mountain (at the end of this document).

What to Aim For

See the “Getting the Most from your Equipment” document for guidelines on what to aim for from these challenges.

Because this structure is so large, it will wobble. That is acceptable for this challenge.

Our Solution





